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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/516,567-Conf. #5511

Filing Date April 3, 2006

First Named Inventor Peter Joseph UNSWORTH

Art Unit 2857

Examiner Name Carol S.W. Tsai

Attorney Docket Number BKB-004US

ENCLOSURES (Check all that apply)			
X Fee Transmittal Form		Drawing(s)	After Allowance Communication to TC
Fee Attached		Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences
X Amendment/Reply		Petition	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
After Final		Petition to Convert to a Provisional Application	Proprietary Information
Affidavits/declaration(s)		Power of Attorney, Revocation Change of Correspondence Addres	Status Letter
Extension of Time Request		Terminal Disclaimer	X Other Enclosure(s) (please Identify below):
Express Abandonment Request		Request for Refund	Return Receipt Postcard
Information Disclosure Statement		CD, Number of CD(s)	_
Certified Copy of Priority Document(s)		Landscape Table on CD	
Reply to Missing Parts/ Incomplete Application		Remarks	
Reply to Missing Parts under 37 CFR 1.52 or 1.53			
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Name LAHIVE & COCKFIELD, LLP		
Signature David Ri		Bung	
Printed name	David R. Burns		
Date	March 8, 2007	Reg.	No. 46,590

Express Mail Label No. EV 957 643 259 US Dated: March 8, 2007

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the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known Effective on 12/08/2004. 10/516,567-Conf. #5511 pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). **Application Number** FEE TRANSMITTAL April 3, 2006 Filing Date Peter Joseph UNSWORTH First Named Inventor For FY 2006 **Examiner Name** Carol S.W. Tsai Applicant claims small entity status. See 37 CFR 1.27 2857 Art Unit TOTAL AMOUNT OF PAYMENT **BKB-004US** 650.00 Attorney Docket No. METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order None Other (please identify): Lahive & Cockfield, LLP x Deposit Account Deposit Account Number: 12-0080 Deposit Account Name: For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayments of Credit any overpayments fee(s) under 37 CFR 1.16 and 1.17 **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES **FILING FEES** SEARCH FEES EXAMINATION FEES **Small Entity Small Entity Small Entity Application Type** Fee (\$) Fee (\$) Fee (\$) Fee (\$) Fee (\$) Fee (\$) Fees Paid (\$) Utility 300 150 500 250 200 100 Design 200 100 100 50 130 65 200 100 80 Plant 300 150 160 Reissue 300 150 500 250 60Ó 300 Provisional 200 100 0 0 0 0 2. EXCESS CLAIM FEES **Small Entity** Fee (\$) Fee Description Fee (\$) Each claim over 20 (including Reissues) 50 25 Each independent claim over 3 (including Reissues) 200 100 Multiple dependent claims 360 180 Fee Paid (\$) **Total Claims Extra Claims** Multiple Dependent Claims Fee (\$) 21 - 20 = 1 50.00 = 50.00 Fee Paid (\$) Fee (\$) HP = highest number of total claims paid for, if greater than 20. Extra Claims Fee Paid (\$) Indep. Claims Fee (\$) 3 × 200.00 600.00 - 3 = HP = highest number of independent claims paid for, if greater than 3. 3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). **Total Sheets** Extra Sheets Number of each additional 50 or fraction thereof Fee Paid (\$) Fee (\$) - 100 = (round up to a whole number) x 4. OTHER FEE(S) Fees Paid (\$) Non-English Specification, \$130 fee (no small entity discount) Other (e.g., late filing surcharge): SUBMITTED BY Registration No. Signature 46,590 Telephone (617) 227-7400 (Attorney/Agent) Name (Print/Type) David R. Burns Date March 8, 2007 03/13/2007 MKAYPAGH 00000073 120080 10516567

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Express Mail Label No. EV 957 643 259 US Dated: March 8, 2007

Docket No.: BKB-004US

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of:

nsworth, et al.

Application No.: 10/516,567

Confirmation No.: 5511

Filed: April 3, 2006

Art Unit: 2857

For: Improvements in or Relating to the Monitoring of

Examiner: Carol S.W. Tsai

Two-Phase Fluid Flow

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Non-Final Office Action mailed December 8, 2006 (Paper No. 20061207) the above-identified U.S. patent application, please consider the following reply.

Amendments to the Claims begin on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

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